

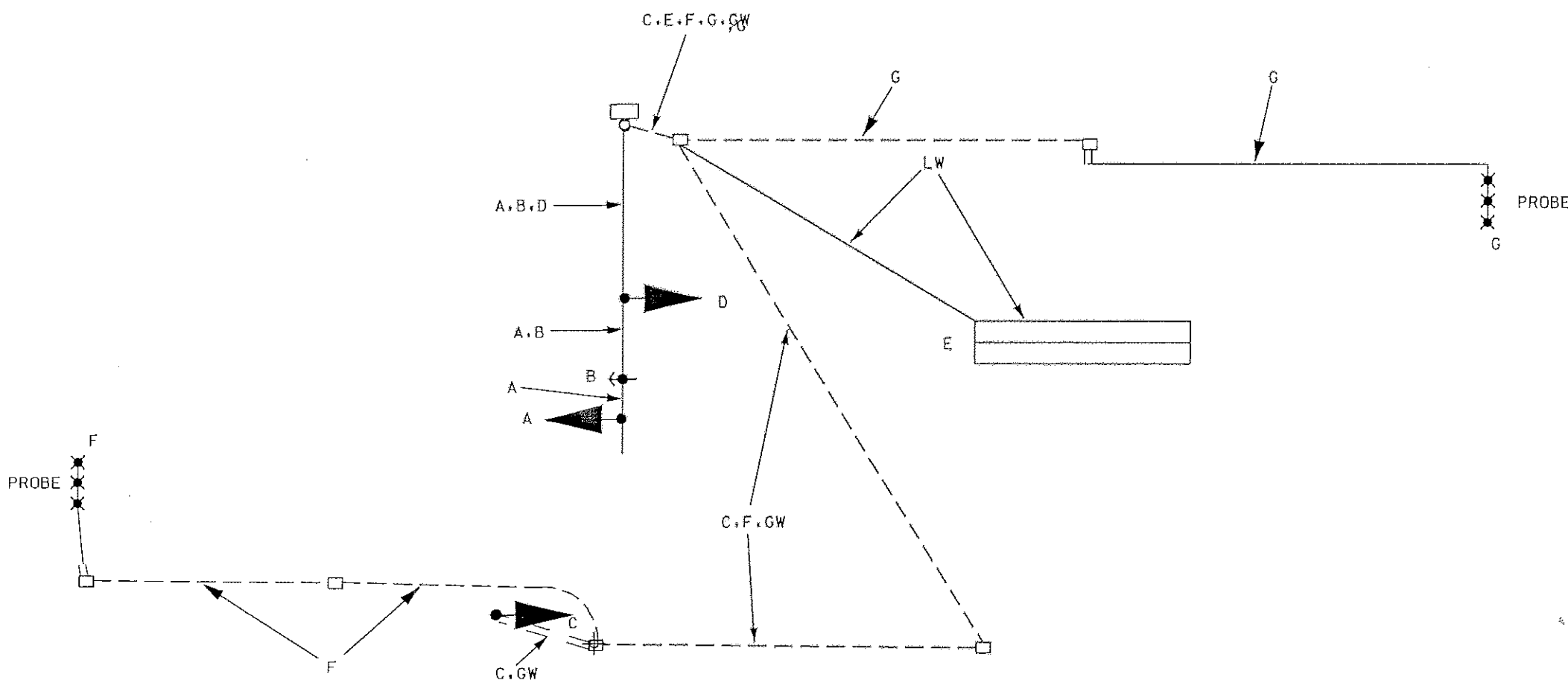
PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF EB OPTICOM.  
A WB E/P LEFT TURN PHASE AND AN EB RIGHT TURN OVERLAP.

CONSTRUCTION DETAILS

- A. INSTALL 14' PEDESTAL POLE ON BREAKAWAY TRANSFORMER BASE WITH 12"/8" BLACK FACED SIGNAL HEAD WITH HARDWARE FOR POLE TOP MOUNTING.  
B. REMOVE EXISTING 12" 3-SECTION SIGNAL HEAD  
C. INSTALL 12" 5-SECTION BLACK FACED SIGNAL HEAD  
D. INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED  
E. INSTALL 6 X 30 QUADRUPOLE LOOP DETECTOR (3-6-3 WINDING) ENCASED IN 1/4" FLEXIBLE TUBING  
F. INSTALL 1" NON-METALLIC CONDUIT FOR DETECTOR SLEEVE  
G. INSTALL OVERHEAD SIGN  
H. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.  
I. INSTALL GROUND ROD IN EXISTING HANDHOLE  
J. USE EXISTING HANDHOLE  
K. USE EXISTING CONDUIT  
L. INSTALL MICROLOOP PROBE SET  
M. REMOVE PAVEMENT MARKING ARROW  
N. INSTALL PAVEMENT MARKING ARROW

WIRING DIAGRAM



A, C, D 7-CONDUCTOR NO 14AWG  
B 4-CONDUCTOR OPTICOM CABLE  
E 2-CONDUCTOR NO 14AWG  
ALUMINUM SHIELDED  
F, G PROBE WIRE  
GW #6 BARE COPPER GROUND WIRE  
LW LOOP WIRE

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
19.5 SF	SHEET ALUMINUM SIGNS TO CONSIST OF THE FOLLOWING
	- 1 R3-5(R) 30"x36" MAST ARM MOUNTED
	- 1 R10-12 36"x42" MAST ARM MOUNTED

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5006	1 EA	FURNISH AND INSTALL PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
5008	1 EA	REMOVE EXISTING PAVEMENT MARKING LETTER OR ARROW
8001	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8003	1 EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE-ANY SIZE
8012	1 EA	FURNISH AND INSTALL 3M OPTICOM #721 DETECTOR EYE
8016	2 EA	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 500' LEAD IN
8021	300 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	18 LF	FURNISH AND INSTALL 1" FLEXIBLE LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
8024	15 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT -TRENCHED
8034	1 EA	FURNISH AND INSTALL GROUND ROD 3/4" DIA X 10' LENGTH
8037	60 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE
8040	436 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4" FLEXIBLE TUBING
8041	15 LF	FURNISH AND INSTALL 2-CONDUCTOR NO 14AWG (ALUMINUM SHIELDED)
8045	264 LF	FURNISH AND INSTALL 7-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8048	20 LF	FURNISH AND INSTALL #6 AWG STRANDED BARE COPPER GROUND WIRE
8053	19.5 SF	INSTALL OVERHEAD SIGN
8060	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT-PER ASSIGNMENT
8084	12 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8085	3 EA	FURNISH AND INSTALL 8" VEHICULAR TRAFFIC SIGNAL HEAD SECTION

REVISIONS		APPROVALS	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
		CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	
A INSTALL EB OPTICOM, WB E/P, EB RIGHT TURN OVERLAP 11/00 CJS		DRAWN BY: S.BLOSS CHECKED BY: N.LEARY SCALE: 1:20 DATE: 9-29-99	
		F.A.P. NO. 3950 S.H.A. NO. TALBOT COUNTY: TALBOT LOG MILE: 20032800.18	
		TS NO. 3950 T.I.M.S. NO. D400	
		SHEET NO. 3 OF 3	